Amendments to the Specification:

Please replace the paragraph beginning on page 6, line 4 with the following amended paragraphs:

~~Figure 3 A waveform representing a one lump shield for increasing integrated inductor performance;~~

Figure 3a A graph representing the voltage distributed across the inductor of Figure 1;

Figure 3b A graph representing the potential difference between the equipotential shield and segments of the inductor;

Figure 3c Calculations illustrating the improvement in capacitance cancellation from the shield of Figure 1;

Please replace the paragraph beginning on page 6, line 8 with the following amended paragraphs:

~~Figure 6 Waveforms representing a two lump shield for increasing integrated inductor performance;~~

Figure 6a A graph representing the voltage distributed across the inductors of Figure 4;

Figure 6b Calculations illustrating the improvement in capacitance cancellation from a two segment shield;

Please replace the paragraph beginning on page 6, line 14 with the following amended paragraphs:

~~Figure 10 Techniques for developing the voltage for driving the segments of the shield.~~

Figure 10a A schematic of a differential half circuit representative of the schematic of Figure 1;

Figure 10b An first alternative to the circuit of Figure 10a wherein a resistive voltage divider is utilized;

Figure 10c A second alternative to the circuit of Figure 10a wherein the output of the amplifier is used to drive the shield directly; and

Figure 10d A third alternative to the circuit of Figure 10a wherein the inductor is tapped to drive the shield.